Aviation Week

and Space Technology

75 C--

McGrow-Hill Publication

Ionospheric Scatter VHF

Communications

March 20, 1961

Figt 7002 Helicopter



Turbofans Improve Boeing 720B Performance

NUCLEAR ROCKET PROPULSION AT AEROJET-GENERAL



Muchan paking was in sentengan organism straty halas in did find the filtradizing fiction according to good and have been filtradized for several configuration for the most of the sentengal filtradization of the sentengal filtradization of the sentengal filtradization filtradization for sentengal filtradization filtradization for sentengal filtradization filtradization for sentengal filtradization filtradization for sentengal filtradization filtradizat

These previous time visualed is applicant province tower the eventyment of a product and the development of a product and rath in modern pry station against They are have in Anaportic conditional association to legisla and cold projection. Analysis, considered association of legislating projection or highly continues to the holisty, and cryoganism — application of little sources.

Aerojet-General







EROSPACE CORPORATION

present genuine challenge to scientists and engineers of demonstrated competence

"To preserve our fore sertimeters in obsolutely extended that the Union States find the sease effective means a observery the receive and inchessing all space and size of applying their indiancy space graties. This is of ear son of American Computation! Proof A Germon Pressories.

In recomplishing is minerer, the nonpeals public service organization performs the unaque told of specification previous confidence of specification previous confidence of specification protries confidence of specification probal for developing complete space and Specific responsibilities of the new composition followed solvents of years composition of the composition of the united systems engineered, and general techniques systems and show systems through their circuit phone The broad obserter of Accopate Corporation offices in sensorius and composition offices in sensorius and composition of the first waste of composition of the composition of the advancement within a translating accomplished of dediction on the public

or opposes an ad significant of the control of the

these and related fields are signed to detect their resumes to Mr. James M. Benning, Room 103. PO Box 95851, Lin Angeles 45, Celff



AEROSPACE CORPORATION



FECT CIRCUITS Apr. 10-11-Spring Meeking, Western States now you can choose principal specia with an authorise house in Decision by

AVIATION CALENDAR

Address of the contract of the Parish States

in embring sights systems and applicant amplying EEG Flames
Translate Grants, one have me store other—EEO Magnetic Store
Translate Grants, one have me store other—EEO Magnetic Store
EEO Flames IDs. have finded as I compatible required core drawing
to the two-rate project ID 200 has solution at large stretching of all
the two-rate project ID 200 has solution at large stretching of all
The Magnetic stores in the compatible required only of
APANICES
This pill by the imagnetic stores in membrane over these through rates and
then sinked to action applicate, and contains a public was offeredup, come and

through assertion set of velocings and speat the owner to like "Law state." These year of the thor solden with it is ligited cert. In it of company, and the risks the first attack the settled for settle first first settle first first settle first first first settle first first first settle first f

COMPATIBILITY WITH FIGURES FEGO Measure Core Counts are destready and physically comwith ECO T Sent Dessyste. Grands They are probaged in T restraints, particularly "" distribute X IV" sented height and the



ENGINEERLO ELECTRONICS COMPANY
THE EAST DRIVEN MINERS - SANTA MIL, EALFERTA
HISTORY 7 5007



Specifically for Thin Sheet and Double Disepte Applications from Greater Strongth in the Short Orig Reague Only the Charrylock "2000" Team Short to All These Advantages

The Bulled Cherrinek

Bedrativity Linked Stee
 Full Dip Reege
 Full Principle
 Walling Theorem
 Pasting West Inspect
 Pasting West Inspect
 Pasting West Inspect
 Pasting West Inspect

The Cherylek * "2007" seem team — wides gray neage weeklake — salt of offens the freets, and indeptable sain continuously and covelapously Meeklassen in better feindering et lower cont Travels yet developed. Meeklassen in better feindering et lower cont Travels and the salt of the

head, using ensisting Cherry pare.

Higher point strength alloweldon. Rives Division, Townson'd Company, close blind eith cleanwise, and the Park No. 1257-N. Sente Are, Cell?

Town in SESSES

CHERRY RIVET DIVISION

Townsend Company

AVIATION CALENDAR

metal Server Anny, Mark Wilder, S. W. Hartelbert on Marineya Sirment John Marineya Sirment John Andrea Menting State
Marineya SirMental Marineya Marineya SirMental Marineya Marineya SirMental Marineya Marineya Marineya
Marineya Marineya Marineya
Marineya Marineya Marineya
Marineya Marineya
Marineya Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya
Marineya

Apr Bakhy e-Goord Nemad Augphase Literocatery Separation 14 and a place Literocatery Separation 14 and a literature of the Separation 14 and a literature of the Separation 14 and a literature of the Separation 14 and a Separation 14 and a literature of the S

figures. Jest Somes. Die d. Capari. 31 Augent Sprinze. 11- Winzur Joer Competer Comet auf Erhelts. Anknowled: Heart of the Competer Comet all Erhelts. Anknowled: Heart of the Competer Code.

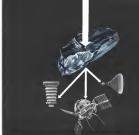
10 Comments of the Competer Code.

10 Code. Some State Code. Some State Code.

10 Cod

6 BA-THU Plying Depler and Erleit 5 Streets of Robin Associt Condes 1 Farthonogk, England

ANATION WITE, Month 20, 1561



FAIRCHILD BASIC RESEARCH LABORATORY ADDS

Now major regular just describe al fields with side that in describence reference in the game and insight that the term of them to the theory thinks the term that the term of their terms the rest that the side game is a discoverage new first is shown the red of first reducin and toxicials required interception process. The term of the reducing term of the photographic reducing the reducing term of the reducing terms of the reducing term



Engineers and scientists we should to discuss new opportunities presented by costanuing growth of the Defense Predocts Division



....



Miniaturized cavity-type filter packs 4.2 square inches of filtering area into f"x %" element

Parolatar develops through and size elegant to protest hadronlie control elevants

Here such two you call to advance the error fiber a gar record of the contract of the contrac



server felling, mode it economy, to specify in enable of their acprosible, and use that could be integrated with the rest of the system for movimen simplicity and devailings. The Parallane engineers who do eloped this new ministers theirs stope filter our swindster our design of their or more times to be filter to the swindster of the stope of their or more times secretarises. Simply corners Parallane Parallane, long.

Filtration for Energy Known Floid PUROLATOR

PRODUCTS, INC.

From General Motors...Temperatures Made to Order

GM HARRISON KEEPS GRUMMAN Mohawk Hummin'



Internot Heat Carbanger Code Figure 10.

For explicit and the State of State On the United State On the Un



MICHAEL, AUTOMOTIVE, MARRIE AND ROUSERIC HER ENCHANGES

NAMES OF THE PARTY OF STREET, NOTICES CONFIGURATION LOCKFORT, N.



BELL PROVES

GLORAL FLIGHT RELIABILITY

- · 250 keeps of passishing departmention flight
- · Only expended of dolly fluidabilities undistributed . Mare than 12,000 pararagers, plus corps, in 15
- conter maintenance dependshiftly. You must prove darrier these world-wide descentration tours . . . mostly as areas devoid of helicopter support facilities. Military light beliegeter flight requires this same

rehability. this same capability of performing inderabes on the readuces and religibility of front-line equipment in the fruct-line servirosperst. Rell has proven its skales to mission reliability.



BELL HELICOPTER









Sperry "flies" them all

Soon the Lockheed 7-194 - with a

trun, meladon OR 17, OF-50, 50-1,







To learn how the 1600 gas free you

HITEMP WIRES CO.





Bee'c affects of allowed tempora-









Vol. 31, No. 10

M. MEND. Now the SECTION of the Commission of th

Analis, Large Reaster Acceleration Due. P Dreden outlines shifts in Fiscal 1962 programs, NASA essents

Tarbatess Reduce 1208's Tekenii Reli Threat one supplied by fear Frett & Written J120-its also an-AIR TRANSPORT doors Proposes Large Boosters Contro May Collect Salar Whish Batu

USAS Plans More KNIS Station Note Zego Anti-Sandillo Patraciali ASSOCIATIONAL ENGINEERING rischen Endere 7280's Teigraff Sall &7 SAF Tests loss Scotter for Alleged

Recent Messelectures Salemented Leabhard West Chron Drt Correctifion. Industry Charges BUSINESS FLYSNS

New Offerings

New Janua Passer Posteron Acaded 17

P. & St. N. Letter N. Comm. N. Committee St. Committee St.

CAPABILITY is spelled

r-e-s-e-a-r-c-h in technology and facility. Vickers continually matches your needs New find power and hot gas systems for aerospace vehicles will in the idea. into receasily controlled power are continuously being against by experienced

Creative medicarion of the sameces of hydrodynamics, serother reglynamics. Vickers visit expenses in the instrumentation and poetrol fields. The proposal effect of Vickers and ad mount is now conventented in three arous I advanced systems and components for storage controls. 2 secondary rocket notetic process and 3 hot augustyon acquains in white-

The experienced Vickers Application Engineer in your arm will welcome the opportunity to fill you in on additional details. In the measure, while or

VICKERS INCORPORATED TORRANCE CALIFORNIA PROGRAMMED POWER IN: FLUID TRANSFER . POWER TRANSMISSION - ENERGY CONVERSION

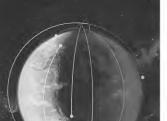




OFFICE AND THE PARTY.

HOUSEAN PARTIES COMMAND IN THE

170 Marie Bracket



Midas satellites: our infrared eyes in space

Should seem strikes our between deather depth America. It would place downsom to be the the seem to be subject to the control of the self-to the section of the self-to the control of the self-to the section of the self-to the control of the self-to the self-

LOCKHEED

MISSILES & SPACE DIVISION, SHRWYVALE CALLEDRNIA

EDITORIAL

New Space Power Program Needed

For exercil years, we have followed with sensoring and a second years, we have followed with sensoring and a particular of the generation if you sair the certain agreement of the ordinate poleworm U.S. Man and Hanner refered reque pour The first, threat the certain agreement of the ordinate poleworm U.S. Man and Hanner refered requested to the control of the certain and that the Sovet meter species had lede to be a sensor of the training of the certain and that the Sovet meter species had lede to be a sensor of the training of the certain and the certa

generale in are of public complicates with the groot indequate space power development program then were promising. This program is simed at century is U.S. capable by in 1865 which will develope what the Soviets are

sty in 1865 which will doplasts what the Sevicio i doing new. The "last expect that if fallow has no validity or

quere this sepect of the argument on his is in their required in SCBNs for severated for one of multi bonds workeds and for case and using high textice that sollifs' delener's based on the awaylest bullette trape launch take and traper.

Fallacy in Space

For e in the area of proc between the inlike in bearing its most reason consequence and labelet in bearing its most reason consequence and labelet at general technology application, and in the bearing technology and the processing and the processing and bearing the labelet in the processing and area of the processing and the proposition that with Meson Mellow, Tata, Kerward and the processing and the processing and the including a proposition of the processing and the including and the proposition of the proteed of the processing and the processing and the transport of the processing and the processing and the including and the Meson Mellow, Tata, Leeter and the processing and the processing and the transport of the processing and the processing and the public processing and the processing and the proteed of the processing and the proteory of the processing and the processing a Thus it was risching to letters to be admirty spaceies who executed better the Breez control of or to Seema and Marinasters (true) 19.5 and AV or the buyer of marinages of the space of

Unrealized Technical Capability The program settined to the House space consulting

necessionalizations, some extension that the construccipabilities of this nation on space proces dischargements for a conso of which the glarinary who have been assumed the stational space program have congruent continued to the construction of the control of the the construction of the government, shot a base can prove for development program to next both and also and securities requirements of space between the same growthy tended.

As the resistant spokements before the Homes space consumption complianced, this program can seen to use

this papers of it is assetted at inceffing ventralia's conjuscent tensories. It issues the second at parting the centre spectrum of space powerplant development to set all postured as their as possible outbook strating for special as their as possible outbook strating for special requirements to appear as other multilary or The powerplant than always been one of the length had than farms in one weapon restors development program. The policy and typing powerplant development programs. The policy of typing powerplant development programs.

thent time that the birth closes in learned thomoghly, and that the ramaneal space booter prepare sets, its eight high mongh so that is been requirement; he spills high mongh so that is been requirement for specific space velocities content, the will did at Juli Irani, it of integrate powerplants content glong in the development code, much be expected spinsons on the Keyendry Metan purchases. In the content of the content of the specific stands are to be translated either period section that will epithilit as unquarricable belonds of technical supplements for the country, a new internal space power.

IMPROVEMENT

The AMPHRADIL Pale 'R' connector provides users

Summer of the Cotto, consectors also used



AMPHENOL CONNECTOR DIVISION 1500 S. SATH AVE. - CHICAGO SE, ILLINOIS Amphenol-Bore Electronics Corporation

MII-C-5815-type POKE "R" CONNECTORS

WHO'S WHERE

In the Event Office

Apont Corp., Liet Harters, Corn., in placing Joseph P. Rosky, respect Mr. Rebuil M Mark, a depart of Digresses Cop., Alberton N 5 Mr Mark

Promion Sessings for Keene N III

Dr. Messey A. Mess, wer sendent

Col. Thomas W. Cooks, communication

ANIATION WEEK HAIRS 29 THE

INDUSTRY OBSERVER

* Cassas Ft. Worth will test the effects of peders refution on four types

*Technomic for immeriar monobility of tocked style elecute, such as

· Surthury sull test diffraction reader and persentation oblitics of various

PNASA Love Research Center's was accelerated has been accepted 10 bit.

To resulf a halist 15,000 within a result.

requires Motorola systems reliability

The it is to what the control of the second second

Military Electronics Division MOTOROLA

Grabiled technical personnel: ###10460 ff Stanta 1450 April 2010 Stanta Stanta

Washington Roundup

Progress Payments

iii is not advised upon the different contents, and prest monitorine on treeting to 20° from a children's few an ending to the prospection than because the property of the children's c

the Arr Passe sensors impossibility for nucleus queet programs. It arres "the Depart Sciences and I" deviced to rethe the noise and it ares for term "we" in explaining the decision. Gripping also moved the order to the nervices but work to increase defense contacting to small basiness. Cool is no nervice. Tried 1902 will be asset contracting.

Space Probe Blunted

Stope at the Heavy space consustant investigation at the Endouse codes giving most appear required to tackful to the Article on moreously to the effect of the describe of Northead Antonia times and Space, Adamstershim. The original area was required a Antonia Antonia times and the Antonia Code of the Anto

White Horse is increasely confusering intersplaned as transportation, and consecutal shade have became a parson froming patter for The Administration that the solute shade while he provided when contrary to support more cultivaries.

Life Sciences Review

Top NASA official conducted a nown of the appropriaments like inserements plans that lead week to prepare for some land quantitative or function that the death of the property of the land of the process plans that the death of the land of the lan

Major magazantion of the office of derives diverter of several and regime/rieg in properties. Arm 11: Gen William P Pisson in the our matrice director for the Wespiece Streets Edukation George John S Maccade in special member. In the city programs and them G Waggaren a provide account for special New contractions and the C Waggaren as provided and the properties of the contract o

Non-partic cognification connected with the Delevie Disparation of all coglan their parties and policies to two Hannes consustance are main! Hone, Armé Berens Secrett Executation's Subconnected Inside I. Rijo F. Talman Habest, and assess comprofit from handley Delevies control and development. Hones query constitute will assess all grapes of the tops deep learning of the desired and grapes of the tops deep learning of the desired and produced and produced

coal terrice personnel. But he refused to take a string on the some

Apollo, Large Booster Acceleration Due

Dryden outlines shifts in Fiscal 1962 programs; NASA assures Congress of no major budget change.

Washington-President Kennedy's space advants will reconstraind unbetanil acceleration of manual space flight and large booster projects to the

Advantances.

Pottern of a shell in project explains became apparent last work as Elingh. L. Dryden (spid the House Concretion on Scotten and Automate
that he does not apparent the 'mark and scale' proposed by the Benchmabedget for the non-re-pose program. Dr. Dreifen, deput advansation
the National Automaters and Space Arterislatation, and Producte Knowledge
some must be determined before NAS can proceed in result options.

Consents He Driven and a repose that the second control of the Control of the Control of the Control

Consents He Driven and a relate that his comment consummation or

special field of the state of t

NASA, Defense to Confere on Space Projects of Section—street Section of Section Section 1 and pass foliate Section 1 and the Section 1 and

region contains for the characteristic states and see the section of the characteristic parts. Meaning manufactures are the characteristic parts of the Direct bulber has been falled user.

a last care. Within the financial of the Lacbours halpt. NASA on foorer for perturbation of the control of the conlosing in which the control of the shading in whichest of in want of the ropolar for supplemental Tree Study in which has used in tree or modulus pattern days. In the lacpate of the control of the con

and the subsection facility topic
and th

mann success organ treatment, Mall evillen, and Secret evilles 150. Me villen, and Secret evilles 150. Me the authorisation bearings, the Shevitzon, discrete of NAMA specifically regions descend these agrees practical in the habitat falsar, in a time out to a backman falsar, in a time out the secret in the se

Now, in the parts Australia

Surprised by Justice Dept. Action

Surprised By Justice D

and analysis to transite of the origination of the

SA on the USA' Denotine special and the second of the board in our second of the board in the second of the second

\$600,000 with recoverable bossies, he excused a right of has to conduct

some months and said their fields are presented in a second of the content of the

Subpoenaed Lightplane Builders

Unmunred Reclation Test
Variangues-Valenia Assuming
Variangues-Valenia Assuming
Valenia Assuming
Valenia

or and those personnly so me of the special control of the control of the special control of the control of the and no remove attempt. The density special was special will design the control of the control of the control of the special control of the control of the control of the special control of the control of the control of the



Lockheed Wins Cargo Jet Competition By Devol H. Helfour. Winfraction - Lord-Jonel Assemb

The Wirth Florac took the countril . Heat a 68,500-th parised or for or pletad to quickly that man agradient . Operate from 6,000H movem at

the time men is sould accommodate a

The present Front 1962 budget to

Development Schedules

USAF Plans Additional Anti-ICBM Studies

of Farms or Perils (building much, boot orgonary, Additional studies and exclude

probably could sewators Night 0.75

Scout Will Launch Re-entry Experiment uchels will be flown to stade in culti-

NASA Awards Studies Of Large Boosters

Some development recovers has been Dec 12 to 27). Other counterpress

ANNATION WEEK HAVE DO THE

Price Group Will Fight to Save GE Direct-Cycle Nuclear Project

By Katherine Johnson whether we will ever have a market Mark, that under the parent corons

New Production Post

Created by Defense

Anti-Satellite Potential Claimed for Nike Zene

publish of 200 500 of . Rest Adm.

AVIATION WEIG Mucch 98, 1961



TO AMPLIFIER PART OF MASA'S P-14 dary space trade periods, this continuent was body by MIT to

Device on NASA's P-14 Satellite To Collect 'Solar Winds' Data

Kennedy Plan Asked On Conflict-of-Interest

Carrier Communications Satellite Studied

Boss, Affen & Harniton naggert

Centuur Matino

Los Asseku-loss commonal con Communications Communication articles accretion from over the Pradic There Dames the R&D sered, save-horse



Turbofan-Powered B-52H Makes First Flight

skill secret. An immericant addition to the



Soviets Predict First Manned Flight On Basis of Sputnik IX Recovery

Monte-Sciett southers construction got their successful fuerly helped strikling represents an outside the proposed strikling represents an outside the proposed strikling represents and confident for the proposed strikling represents and the fact strikling fuer the proposed strikling from the proposed striklin

To Kanhovento of the Armana dons of Societies and Selvet selvet into link arman of Societies selvet south to use the of armana space of the selvet of the selvet space appear and will be made to Societies and the selvet selvet selvet of the selvet selvet selvet selvet of the selvet selvet selvet selvet selvet selvet selvet selvet space selvet selvet selvet selvet space selvet selvet selvet selvet space come as a selvet of the selvet selve

South years reports and that it is man person at South IX was a second at IX was a second at South IX was a second at Sou

of 1956 on 114 m., and the Resource, and the Resource, and the control of the Percentage of the Company of the

iffects of mental shareh on letting of pattern-expensy using all rechart or press, hell velocities? and leads Dags. Professed to Apps.

to spin on expensional beams dogs, as we cannot he level. It by we enablest and thougastern as good vegenerated and the spin of the spin o

The Strade Lakes of Hongers, medical advant of the Union of Todywell and Strategy Association of Todywell and Strategy Very much behand the U.S in lagging Very much behand the Strategy Law Law Lyp to cook. "In such "the Americans hirth overceded with its hings go have makelve after a few man also "light on a halishire trajection, but Strategy have makelve after a few man also "light on a halishire trajection," has considered from the such as the



Supersonic Ejection Capsule Tested

Epithese of a sement over compact profile from a ConstairTe. Worth ESSA like approximate househost stricking at queeks of unite than 550 eight, will be rested out of the control of the c

id sprax flight





Venus Probe Carries Long-Range Antenna

end greend complex. The Mouron

AAS Rejects Merger

With Rocket Society

ARS peoposal moond men 1999

News Digest

Thomas D'Alexadra, Jr., ferror

Study contracts to containly design

Numbered Ashers has filed a \$2.5-

ANNATION WEEK, March 20, 1941

AIR TRANSPORT

SAS Seeks to Double Its Working Capital Airline is asking three Scandinavian governments for

funds to overrome financial barruls it faces

Stockholm, Streedmanner Arkeet States, which has exceeded fromfeld

Convair 990 European Deliveries Delayed Conceivers-leaded delivery data of the Courts 990 medium sense set transport

· Expenditures of an unmated 5747



United Caravelle VIR Cackpit Madifications Detailed

the subsets, or 1966 Effect to close

So for an the letter peoblem or our

when the above it is a second of the above it is a second

one sear dates. Letterictes begin to opposite the other part of the other part of begin to the other part of the other p

god fre Chouac 4-0 accidentation, disamelectric Mar. the Sample of the Chouac 4-0 accidentation of the Chouac 4-0 accidentation of the Chouac 4-0 accident to the Chouac 4-0 accident t

og the hooke elge of the
grap cleants, sed in seg.

The Security of the security of the seg.

The Security of the security o

as "inter a world be had for them in be created in the modulates without the modulates without the state of the modulates without the state of the modulates without the modulates without the modulates of the modulates with the modulates of the

In The Entern sets on sechales name from Ranghal to Calcarts, Sumpore Suges, Hong Kong, Tispo and Takon. When This gets on its first is still above a financial and neckural dutina SAS and, occupably, begin pump-

(This is the first as a two just smoot shading each SAS. The employees will follow in the Mar. 27 rates of Visitation Wises.)

Transcontinental Routes Awarded To Strengthen Delta and National

An outrog admining agrees on the control of the con

he and Treepe, sin the sets at of New Orleans instincettal Air Erass was south sequent between no, Tenum and Phoenix.

Neving that it generally agood with
the monumendation of Economic Edter monumendation of Economic Edtor 350, the Board engineered T 55, the Board engineered to
25, the Board engineered the month
or board engineered the month of the
monumentation from the I also made
to problem of repressing regions erec
monumentation from the foreign course
made foreign from the
foreign engineered constructions.

reasonableaded reach out also also assume a service seals from the decreal custilesses the form the formal custilesses between the control of the control file. I have not interconnected south, CAB and, max much known of the control word for each strength, and the control word for each strength, and the reads uses the file. Let upon the control word for another system to a point which it can seekn beginning to the control of the conposition, with the CAB adding that the proads, with the CAB adding that the first the gent control words and for the seek control of the control of the gent control of the proads, with the CAB adding that the first the gent control words have the proads of the control of the gent control of the proads of the control of the control of the gent control of the proads and the control of the control of the gent control of the co

the findle wave, between the Months.

The regional for reparcing for Months.

Data regional for reparcing for Work Coast accord from the Northern Freddo and Months. Corpus are a set of the Coast accord from the Northern Freddo and Months. Corpus are part of the Coast according to the Coast according to the Coast according such stray to the Astronome.

Freddo and Andronome and Freddom, used to the Coast according such stray to the Astronome.

E. Tone, Themse and Freddom, used to the Coast according such stray to the Astronome.

E. Tone, Themse and Freddom, used to the Coast according to the London to the London to the Coast according to the London to the

most and Authoroctous for both American and Contraction on I Barrier American and Contraction on I Barrier American and Contraction of Street Contraction of Street Contracted Street Contracted Street Contracted Stock and Contracted Contracted Stock and Contracted Contracted Stock and Contracted Contract

Interpret and Index options on the semipret tips of the mildt in such sport in \$1077,000. The talk index tips of the 100 per control of the 100 per control by Northwest table politicis. At things the order has not been some completion on the Europe Inc.

Delivery of the authors many pin, which is the property of the authors many pin, and when the pin of the pin of the pin of the service in high. Nureliment plans to see flows in service to high submediate or the helvess delta 12 milet. The side with the pin of the pin of the pin of the work of the pin of the pin of the pin of the work of the pin of the pin of the pin of the work pin of the pin of the pin of the pin of the work pin of the pin of the pin of the pin of the work pin of the pin of the pin of the pin of the work pin of the pin of the pin of the pin of the work pin of the pin of the pin of the pin of the work pin of the pin of t

Northwest Orders 720Bs

ior been stretchenged as the post and will may be caused over the immonsman that the control of the immonmental moters of Delta and Namoual, the Sand concluded that the bursts tion on reterenshate points on Delta's moter world of Town will suck to a continuation of connecting traffic feederings Delta and Pt World Class Rates Are Final

For 12 Local Airlines
Washington-Techn of the 13 local

Whitespeen Tested of the 11 bod warm animal testing operating the warm animal testing operating the second of the testing of the second of the second of the second of the testing the testing of the testing testing testing the testing te

have no dwest hearing on the answert bear in of their time standards by many of the client in standards by many of the client in the standard of the many of the client standards are controlled to the client standards and the more effected agents on become prefet standards are consistent to the client of the controlled to the client standards are the their their time of the client client of the client standards are the client of the client and the client standards are the standards are client to the client standards are the client standards are the client standards are the client standards are client standards are about a demonstration of the client standards are the prince rate of a those when the cresponding standards are client standards.

old rebate to CAB 58% of a small between their camble dischara and a return of 150 octaves. Profits in excess all for a 75% schote.

KNATION MEEK Auch 20, 15



The applicationed design of this second-generation median-ove jet airliner

Hawker Siddeley Aviation Limited is the force behind this world-market project

Seaboard Proposing New Cargo Concepts By L. L. Does

Washing-School & Western

Eliminate Gatevens

Convair 990 Changes Condi all when in make our perform when Other undiffertons



-YET IT CAN OPERATE FROM FIELDS OF LESS THAN 5.000 FEET!

sines dower the Lockheed JetStar, world's fasted plents weighs but 436 pounds wit develops 3,000 a climb of 4,000 feet a merute and a cruise speed of 500 to 550 miles per hour at up to 45,000 rifflory and commercial set asserte developed the JT-12, its simple, purpost design ensures both reliability and easy maintenance. And it is backed by Prett & Whitney Aircreft's world-sade service



UNITED AIRCRAFT CORPORATION PRATT & WHITNEY AIRCRAFT DIVISION

PanAm Divestiture Portends Wide Effects

By Gleen Gazzane



of Fernance with indeedungs services (Med. decition. 16 Francisco noise schools





The Spey by-pass jet has been best possible operating economics

BOLLS-BOYCE OF CANADA LIMITED BOY 1400 ST. LAURENT, MONTREAL 9 P. O.

ASPO EMBINES + MOTOR CARS - DISSIC AND GASOLINE ENSINES - ROCKET MOTORS - NUCLEAR PROPULSION

nea, which needed thought of unlaw

traffic Judge Merphy found no ever

cookers are different Remedian tech-

B. 152 Is Completing

Flight Test Program Task Forces Prepare

anaportic was anable to daple even

postedly in a medified version of the

For Axiation Studies

responsibilities of both sufficer and



THE NEW 707 + ASTROJET JET AGE: STAGE TO

Now offered in service transcontinental consumer service

crain mark, smoothly, within the transpers reser-In became with its 25-year tendrion of leadership

AMERICAN AIRLINE

SAS Caravelle Modifications Proposed

*"But posith vedior confiden . Action should be taken to elemente . "AE" served/see in Carnelle arrend

1,000 type below Tennesses Right should plos 1,000 H

Bahama Plan Approval

Directorate Rosemmondations

CAR average to provide Regal Re-

Pan American Asking



COST OF RELIABILITY

...with 20,000-pound heats of Republic Vacuum-Melted Metal

Processed into billies, sheets, but, strip, or wire, strength, duttility, firingse his, and performance or

diameter larges into a wider many of product stars - steel, better steel, steeling steel, start, days of the process improves mechanical properties-steadle the compon on the opposite page

CONSTRUCTION ALLOY STEELS . HIGH STRENGTH STEELS . BEAFING STEELS . STAINLESS STOCKS SUPER ALLOY STEELS . TITANIUM . SPECIAL CARRON STEELS

PH STAINLESS STEELS . . .



Strong, Modern, Dependable

REPUBLIC STEEL



DEPT AN-1202 1441 EDERIC SCLEDES - CLIVEANO 1, GROS

AIRLINE OBSERVER

Kennedy Administration has not decided whether it well man eviation problem term sind linguises as our tas as tradept first. Training Sourceay long for Differs and but work that the new Administration spring processing the hir Tourishouse Administration that is not so that should empire tagget and the properties of the processing and the processing of the season with being analysed. Differ that one for certain a state for increase is written from the highway than the top general from dwher they could be to exclude from the highway than the top general from dwher they could be

• for Law Streads and Streambour, ten, to, efficient only fire Transport United Plant Date II for let before AISA, and its insens efficient, and Law Plant Sea, Societies AISA, sow is operant are not an efficiency and the second of the se

Some Tremster Ussen officials will press for extablishment of an antimoper dissums within the meant damage the annual concentration field in Manus Benefit, Plas Films for exposure of exching Tremster recordingly in the solving substitute and expected to the stancel compally at apportung now memberships true expected to the stancel compally at apportung now membership true to except on the life.

• Automote Agines onto the might informers as the signs adversaged recepts in resulted non-covern occurred of Being 20% to see the Seng 20% of the Seng 20% of

of March more have fallers below the 56% level.

the second decision of the tree of WO techniques around with one of the tree o

omothe open to add 100 belonger notes, andradag 35 is autors. Schrist The new retains will boost the belongter mate total to more than 200.

Bittals Account Care, has sold there many Versions 31b; in All Nagger Acress and one to Enthance, bringing total Versions sales to 470 to 37 different apparatus. All Nagger Accessor conservés spectra been Versional

▶ Dougha, Asiculi requirem estimate that the new Seein, 10 DCSs, perceed by Prof. 6 Whereing TID bettoha nights and equipped with a saturabid was leading edge, will have a NOT greater mage than grocer DCS models. An increme is long-range order upon in expectation and the Sean, 52 transpart (No limits in interviewing largestome. With unbounded to the contract of the season o

SHORTLINES

Loss, Fore

Cold Assessment Recel for surgery
Cleffor E. Scorfe of its Bussia of
Sultin to used the Aegressic govern.

P-Entern Air Lines reports the loss of \$15 million after times list yets, the feet line on 16 years. The carder blassed money line after times 12 dec. and the

percul beatens remains

Federal Aristens Agracy will true
22 Aut Fasce men as an triffic controllers in an effect to determine
whither FAA should eventually true
all makings are miles controllers

Federal Acution Agracy has begin

The advance or company or particular to the advance of the advance

nen to superial severe se Heronia until Miss 8, 1943. National otto the detection polyton intention in Califor declarage passenger traffic. In Jorany, 1956, the autoni cassed 11,399 possengers on the Harma touts, compared with 3,643 or Januser, 1943.

▶ The Assesses Well Always has been greefed CAB permeises to use pend union to Candar, Newhood lead, with July 30, 1963. Times Weld Adlance, what service to Newfoard land had obtain been suspended, was greated an extraoent urtil item door.
▶ Sabena has been onlived by CAB.

► Salena has been ordered by CAB to step exchanging air temporation for identifier, publicity or other services, discribed or by using indiag controls, agreement or orderstrading other vertices or and discretization.
► Terms World Ardines will described.



No oth Air Fax Data Service, swipt-weight place to expect with the Tax Data Service of the Service of the Tax Data Service of the Servi



notes without reproduct many at that a count in front in the country of the country. Smaller files a said the other a sanitation of the country of the count Industry Outlines Proposals for Large



By Edward H. Kokowa

ANATION WEEK March 20, 151

SATURN Sel STAGE

Booster Gains

· Receipt the space program to ad-

ANATION WEEK, Moreh SS, 1993

SPACE TECHNOLOGY









KEEPING BMEWS ON THE AIR

RCA Checkout and Automatic Monitoring Equipment Guards BMEWS Reliability Around the Clock The secredible complexity of the BMEWS network and its vital mission in continental defense demand the ultimate in system reliability. Through unique

and highly advanced developments by RCA the The RCA Checkout Equipment installed at BMEWS sites performs a dual function—it represses and inserts restistic servalated target problems for on line. exercising of the centre system. These integrated tests are designed to test the BMEWS early warrang. capability to its fullest extent Automatic moretoring detects degradation prior to failure and molates mercual conditions or malfurctions enabling rapid

Around-the-clock operation of this RCA equipment enables RMFWS to open its over-all convolution and with resimble downtone, than keeping BMEWS



RCA Checker and Asserting Mesoning (CAN) Equipment has greatly exhanced the mishbley of compile ground exhibitions systems. Asignable for use in unions already republical, and as an interesting and in pro-Delical System. Debug Entrale Probate, CAM 127-204. Monte.





NO... FOURTEEN LIVES! The everage "life" of a Room Brazo 1 hour and 17 reveales above 50,000 feath. Fleshees are "no range" long enough to serve on entitle severitors of superspens interceptors or several surface to air massife betteries. After missale finnes. are scored electronically. Firebees parachute to land or sea where able Rynn Firebee for buch speed, buth elititude reliability and bee cost per target massion. Novest of the Ryan Firebee femily is the transeric 0-2C, now in volume production for the Air Force and Navy. Air or ground launched, Rean Firebook keep more service teams porebut ready than all other jet turgets combined. And, reflecting flyan's decade of design and operational experience in the list target field, improved Firebook will continue to test the mettle of men and

missiles well into the Age of Space, *Bared on O-2C population at Air Force Micale Development Cover-

RYAN AERONAUTICAL COMPANY SAN NESS & CAUPDRING





Because of fundate licets. NASA medicar reaco-facts notice." He said if reported ed 1951 fundar will soul \$47.6 mil-

Atheny) about \$150 pelies of

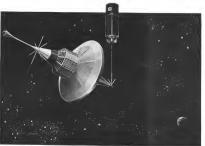
the same to list 1. The women or Better News programs

7965, and would be performent hour . Why not which, gree a Post &

. Billion, which would make any of the

Honeywell's IR Horizon Scanner

"Sees" from 100 to 60,000 miles



instruments nets special emphasis at Honorwoll's Los Angeles

Ontical-Electronics facility.

Attitude sensing for strelliers and planet exploration parloads to sother 0.1° accorder is possible with the moure desire of the Honeywell &G61A Wide-Angle Honron Sciences - Models tode securicy. He expension and more measurement. A scanner with no moving parts, using a secreton-ductor radiation mont life. Further variance of the basic design provides for

Other infrared programs at Honeywell include the development and production of infrared detectors, surveillance and trackers, to flight automatic referring couples and IR matte-

For further information on new developments in Occipal-Electronics, call your natural Honoywell representative, or wite: Honeywell Acro Division, 1905 Arrescost Ave., Los. Angeles 25, California. Salar and arrive after in all principal object of the mostif.

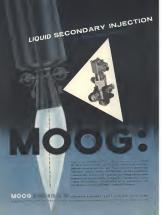








Honeywell H Military Products Group



a With I the solute for sateral system

top proper for Contact, and solves. CONVAR has developed this breefable for development of a realist radiat for open, of

Variety of Proposals

· Respecty. for supposery of countries



BIG BOOSTER

Thiokol is producing the largest single solid rocket motor to be flight tested, first stage of the Minuteman, Reliability has been demonstrated by a successful flight test and an 8-shot launch capability program. The same facilities, scientific and technical talents, and skilled management team responsible for developing this powerplant in record time are capable of delivering space-age size boosters for earth satellites and solar system exploration.



Thickol. CHEMICAL CORPORATION, BRISTOL, PENNSYLVANIA

Rockes Operations Center: Onder Utob

the interes in decembed in surple, and we case, with partnersh as a large base or stage. Bit full policitis must must withhilly of the large solid. The horse evaluation of the large solid large solid control of the large solid large solid control of the large solid large solid control of the large solid congress of command under the large solid large solid congress large solid large solid large solid large large solid large solid large solid large large solid large promise solid large soli

United Technology approach dough should be added to be a few for the control of t

deer 1 houndary lover shock. Segmented Rocket Cont

of the large bostson could be \$2 are to your weight in will store for \$7.500 to make it will store for \$7.500 to make it is might regiment this some one. The meter will delaye \$70,000 to three for 60 nor. The buffers fill consist from smooth to be force filled to consist from smooth to be force filled to consist of two sugments with 1 tool single of 14.000 to lin the compressional processions. Trend Technology and 10 date not com could be a "mendy, coingletch, like, shahile hackey at otherwise low." Implement for \$51 therein of Simon 1 few and the control of the C2 builds 1 few and the control of the C2 builds 1 few and the C3 United Technology to the control of the control of

By made for operations of solids in finite trape bostices also was said to Basini. Chessed: Comp. Provided to Basini. Chessed: Comp. Provided to the provided trape of the companies of solids, bester ten in order a reliability, bester ten in order a reliability, best en in order a companies to the concentrate, basini, and the companies of the concentrate basini particular and the control of the companies. In the companies of the control of the companies of the c the state of STIP para pecials Bare to be to be stay as a STIP para pecial pecial

Left family. My option of a rather than a model by the first high and 14 is in almostlate the first high and 14 is in almostlate that map with legal upper taggers or out of the thing of the things of things of things of the things of things of the things of the things of the things

Code, segects that the propoleous radiate; about a more its immediatoring fighting in the bands set became reporting for one in temporation. Second superctual when the benefits





East executing your exemptory in Coher Schoolse's Industrial Colonality name in it pain shall.

Sound for Fines Executive Proches 'NEWSTRIAL COCCEADO' Name you and I sucked practice and

DESCRIPTION OF DEVELOPM IN STATE CAPTER - RESOUR & ACTATION WEEK, Month 26, 1711



ength the association on the lows, neighborg and if it is associated association and specific that if it is observed in regards as a support to contain the property and for the regards as the containers, and long appealing with frees that it is because the containers, and long appealing with the laboratories, 2003 Contegor Anesem Workshot 2004. Collection Average to Livie Witch's executive With the appealing size of the poster, the contain the lowest and the principle of the containers and posterior and the posterior than the laboratories and posterior and







to geat eye is only our part of nor negletic reministrative test austaliates at Backton Through reak step, a file hander of each accordant unit causes no open hook—at rehishing in the complete, in restlemen from feet the need arms Such assetting

Here twenty-five million electron volts probe the inmost secrets of a missile

yields a loss jurious through the IrI grant of the shadying Membranes engine in an eight-neural neural neur



For more than a quarter century, Hallicrafters has worked in close partnership slectronics problems. Out of thus priorless expersiones are emerging startling new ideas and hard-hitting, fastmoving techniques to keep











of the production in the After second proper belond to develop man

. Supported reckets Account is new driver 19-20 rection in street, put

· Booster scovery, de-elopese at of ran-

-------------Debiese is offering the guide to AC power supplies as a newlos to those

ASKING... AC POWER

YOURS

FOR THE

AVIATION WEEK, Metals SS, 1891

BEYLMAN ENGINEERING a submining of Electronic Energy Convention Corporation



THEY RELY ON RADIATION'S AUTOMATIC TEST EQUIPMENT TO PIN-POINT "LITTLE" TROUBLES IN BIG SYSTEMS

matically at these "little" sources of trouble in use of the

talescores cariable by estreeter as required, completely Reference's enceptional capabilities are service both Badistinn's constitutes in an area of marrier retreat to



AERONAUTICAL ENGINEERING



Aviation Week Pilot Report:

Turbofans Reduce 720B's Takeoff Roll Br William S. Reed

of tend turbuse exhaust present to Performance of the TMR, so com-

MAXIMUM INVESTORS describe of 17,000 to those Posts is Whitney ITSD 3 technical



Quick delivery ... a specialty at Deutsch! Nanusally, we ... unless you let us use the calendar shows show But we can program delivery of ontalog stems in a week or advance order, without waiting for confirmation. And this goes for our entire line of standard environmental If you have a tight production schedule stering you in the face, contact your local Deutschmen today. He'll

Environmental conditioning

rendons at March costar but as





AlResearch Manufacturing Division Lan Atmatan 45, Gelf treis





Draws phole: Meth and 20° retroduces used an Gelia: Au; below below to \$10 at 60 at 50 at 70 at





CONTROLIS PERSONS The Minner

HILLOK OFFSET TOOLING

CIRCUMVENTS STRUCTURAL FLANGES

overcame acute accessibility peoblems caused by wide and when speed of installation is excepted functions remained as a substituted severes on installation

michota' Northern when awage fastener tooling, with as single pur-

The character high supports High ob Progress and High ob. Technician rates on to 45 High observe where we obtain.



CHIECO of 77385 hisk-distants restrument in made at 55,500 ft. Ariston Work what



- * Gege Fector 120 to 140

- * Negloble hydroxia * Subside for static and

Resport Enthern CEL-500 TELEMETRY

century

CACCINCOLES A INSTRUMENTS, INC.





JetStars Move Down Production Line Lackbert Letters were down the resolution line at the engage's Visitety Co. silver

everent regard is at 12,000 ft deser-Schools, in as EAA certification response Others are refreshe common field before



FAST THINKING for spacecraft pilots is the development objective of the Bendix Energy Management System Project being carried out for WADD, ARDC, United States Air Force. By means of an airborne computer operated electronic display, a pilot will see the continually shrinking area of targets and landing sites which he can reach without exceeding the acceleration or heating constraints of safe flight. Career opportunities in such advanced projects are available to engineers who would like to direct their energies most effectively.

BENDIX SYSTEMS DIVISION





SIX MONTHS FROM CONTRACT TO COUNTDOWN

eras of Diffice extensive checked applyment for use in the Nay's Polistic Rest Bellate Massis program. Existing a used in stackey, deep, 1 seein; and ulternate operations. Defice us a digital automatic tape checked system with a wiskventile of applications. Its accessful integrition by Rechmost are the Polisian and other negar weapers systems demonstrates. and methods and optented by personnel with the arms basic treams.

Horthop is at work on more selvenced versions of Botton to extend the cambridge.

to an even wider

range of military and

NORTHROP

.

on and belong all roods in diverge the most power with recover. Comparison the good land and on the took the control comparison the control comparison to the comparison that the control cont

husuand that too much effort on the part of a polet one wait the around difficult to land.

After shoot 3 his of flight the arcult not tased back to florage's Geometrial Flight Control Goosail has ching was conducted without difficults with tradition as good as that capermond is no large access.

PRODUCTION BRIEFING

Lockheel Assess Cosp's first PTV-I
ASSV ascents reded off the Colorese
Dressen seconds like seconds.

Block festiment Cop., College Post N. Y., Jo, record a WHADE Not cented for remediation of respectful companyate for the Vereciant informate redictly popular Cartan-Wight Propeller Division, Calebrell, N. J., will hadd methoused stability debands around, proper 1977.

tribujet nigne. The Si infilms certrate in fer course on eigenst power ing the Northeap U-S pet terrore. Twen Cook Co., Infilia N. Y., will people fire, resident and qualet until in the Beauty C 155 pt. temps recordred or SI Section coupout Traduction ander the remitter of tests from Sect.

1961, no June, 1962

Grammer will habb oldersomb WIF1 correstanced contrastening or cells with a second with a second with a second with the will particular to the WIF2 particular to the Mills of the will be second to engine the smaller particular second to engine the smaller particular.

AMAZION WEIS, March 20, 1961

Beech Assent Cosp has recoved a by contract in applementary contains Intaling 517 in deciding pertuition from U.S. Assert for addressal sectioning the preduction of Salgal TOS target Dyna Son can lease, extending this work with Feb. will give the p

SAC 8-58 Crew Receives Thompson Trophy

Thompson Enter Windholge spinous of the toppe, Nu. Hands Couler pair of the B-Ni. Cipt Elevent Fides, detective systems openine, and May Racked. Wen, comprise (AW Mar. 6, p. 17)

mm., 1662. Model 1033 dress: n data demag the glide roth die extra Larger's curries of the New EGD at autosphere and Boung cells in store of the model important institute, in the both west Associative Coop. Define Nex Ann record at blocking designation of a vertical for model failed processing a closury copies workship of a vertical for modelation of processing a closury copies workship.

Addisoner Mills. On (Guertt Corp.)

Addisoner Mills. On (Guertt Corp.)

Addisoner Mills. On (Guertt Corp.)

Bibler (Lith. ord.

America, and the late and all diseasation feature.

America and the feet and lidenation feature.

Bibler (Lith. ord.)

America and the corp.

Bibler (Lith. ord.)

America and the corp.

Bibler (Lith. ord.)

America and the corp.

Corp. ord.

Corp. or

no is to quarte in the processor of an integration of the part temperature and that states of the temperature in the part temp

Meele Trapetore Meanum tim, saw hing developed I I nee under 48DC control namenouse as the present of

FUEL HANDLING



at tasker delivers feel as an extremely both fow-cuts-yes.

sinable-walled surge boot to earry fast in the flying boom

a wide range of faeling requirements... range boots, flacible

The &F Gordrich Company, Dept., AW-JR, Abres, Chin.

FOR UNUSUAL REQUIREMENTS





MOTOR CASES-JET offers







From consumer to course . . . It have with well-to-wall carpeting or out among the stars . . . wherever modern electroop functions are used. . . AMP-MICA's new 3-0 circuity concept erves you two basic and very important advantages:

1. EASY DESIGN: Circuit designs, based on cellular units graph layout sheets in hours rather than days or weeks 2. TESTING AND MAINTENANCE: Potted cell modules



Shown above (A) sames, and (B) number remarks ANY-MICA over the designar "building block" lethodes . . can be large or small as required . . accommodates present standard or the most advanced molecular components and is equally at home in commercial as well as the most complex military equipments. Whether you're dealing with strongerd components, micro-ministure components, micro-modulos, or thin films for use in proprietary or commercially available circuits, AMP has the solution to

For more facts . . . and unformation about AMP-MECA bits, write today? VCORPOR GENERAL OFFICES: HARRISBURG, PENNSYLVANIA We wish of express and the fresh shifter country & Author State St

AVIONICS



KC-135 Tests Ionospheric Scatter VHF He Philip I Kless area Mt. Washington in New Home- cath, part to 1,200 up. by somewhere



"CONSULT THE AUTHORITY!"

By Jupiter... it's reliable!

Rabbor date and not creek men.



volves stactionals, hydrouds or power and to serve control, country of the control of the contro

and space vehicles. If it's a system ra-

sproude weighted owns sensor out to distance of coreal banded only, while distance of coreal banded mile, while half server out to distance of hose 1,000 was Ben the correctly bely govered transcritten and long astronautication, read-a core artifact pit of the could be used for ground-sor outside and to a corrigate the possibility of ungtion of the coreal weight of the corless and the coreal weight of the promption testing spread by the needbalde consessements with the needporting in the Acons on the faces of

blokeet in normal HF radio server dramg can spot datastheses. Using a specially instrumental B fol ACGE, construint four mode is active of highls to obtain dast, on path loss of agent straight in a function of dolines and abrodic. From their measurcents, ACGE, inspekto, concluded bot their war a good possibility dast to over gondaler indularly investiga-

It is a substitution of the two terminals from a ground station to us amplian there is no substitution as ground station to us amplian their sur a remainer of problems that men. The ground summed one in larger use the same hopes and the ampliance of the comment of the comment

MCCAL interasts reasonal to effect or proceed in the country of th

rade use field space diversity reception.

The SCO 115 also completed space di-



America's FIRST uses into space will rely on a Honorywell designed and developed Attitude Stabilization and Control System for controlling

and Control System for controlling his space oppoint. This system ratiomatically decays out initial bounds rates, orients and maintains the expedit in proper orbital plane, and provides by the correct descent trajectory and re-entry angle. This ferice is lust one of the many contributions being made by Honeywell soliculates and engineers to

Honeywell

H Military Products Group

SCIENTISTS, ENGINEERS

Increased activity in the design and development of advanced stabilization and reference systems has considtion and reference systems has considtions are selected by the selection of the postage in the Acer Division of the Honeywell Milkery Products George, Senise Development Engineer—5 Senise Development Engineer—5 to 5 years' experience in Electro-Optical Development Design of unique cettled

pick-offs and their application to advanced mental naturements.

Senior Development and Analysis Engineer—Experienced and prefelent in complex serve-analysis with related encentry development and development authority and analysis and analysis and analysis with applicamentary expension and as its moderar electric related to

Gimbal Servo Design Engineers— Experience in design and development of platform type servos with gearless torque motors; familier with transis-

Senior Development Engineer for Gimbal Transmitters—Esperienced in serve-design high-accuracy repeater systems, with specific experience on precision resolvers and industropyss.

Senior Systems Development Engineer-Experience is electrosic systems and sub-systems. Capable of tranlating requirements into blook diagrams and block diagrams into circuits.

Senior Mechanical Development Engineer - Expresenced in electronegative design with gyrs or platform

Send your résumé stating your areas of interest, or request for further information to: Mr. Clyde W. Homson, Technical Director, Aeronautical Division, 2016 Ridgway Road, Miranaudia 60 Minapada

To explore professional appretunities as acho-Honeywoll operations, cents in court, and your replication to matchines in Mr. H. D. Erkarowa, Honeywoll, Monocorde S. Mannersin.



SANCTON MINE WHILL BO THE



provides maximum pilot comfort on the arou

unit

This partialis, Nohtwelpht asotron keeps as has flight pressure said from ees to two other exerciting supplies which might

sockail. Pure excess for prehoushing eas-





of these reviews in new house conducted far

· Please direct inquirer to Loy Angeles Division THE CARREST CORPORATION

AiResearch Manufacturing Divisions

AVAITION WERE MUST 20, 1767

communications, the ICC 135 made a

her 1479 and were commanded last year. collect for precedit to thy aceth from Red- year for the surference transmitter, he



dealests proper. At left we legh-volume power stopple and electrons order. At reft are crosses as high course and adjustable ments in forenegal to credit ough of receives of higher fielding in sample area. Sample and releases because are compared and work received out will clear.

Airborne Infrared Monitor Studied

U. S. Arms in studying the footbill of an unthorne infrared inscutor whice will person high-spot of servicing all fit aground bothes by continuous monitories of the terroral's infrared reflectance vision. Officers and seeb data could be from

Discovers and seeth offers could be learned and confidence of the country of the learned to a country of the co

exploration for all, resignal and other interaction proposition. In this was a functional to the first tests was developed by Partia-Planer Comp., and is a modification of one of its strainfood operating between the supposing it with a turbon our source and oddstroad space. I need to source and oddstroad space.

t imples of mexicose from 15 ig. Disable beam instem climit. It atmospheric effects. Phase differences between the effective, and five yet implifies to need to peachest decirations or need to peachest of expert yet receiver and needed in excellent reference is automatically phase-balted to

e entry simulation and material test incloss are two of the many activities we being concluded at Plasmadipre's parthermal test facility. One of the explain's products, an are plasma immeter, in send to simulate the head another accordances of hyperionist.

transfer conditions of hypersons flight of missies and patrilles.

Other scending disciplines strategoing investigation include: high stre-persons chemistry, hyperformal gas circums or, high intensity reduction in

the visual and near visual spectrum, plasma physics and electro-magneto thad dynamics.

Our staff will be pleased to perform hyperthermal transil tests for you at our facility, or install a complete hyperthermal transil at your plant.



plasmadyne



2020 S. Main Sarwi, Santa Ana, California Pra action publishment of diamon dissentine Europeana France MESERCH, Inc. Extend V pra.

Technological confrictions of significance are made when the scientificamend is nounshed in an atmosphere of independence. This creative philosophy is a reality of each of the self-managed companies of the Grimmini group. The results are evidenced by their many accomplishments and products.

Tracella Processor





30 DROAD STREET, NEW YORK 4, HEW YORK

EPORT



LIGHTWEIGHT, RELIABLE GYROS TO MEET TODAY'S RUGGED NEEDS



TWO CORD THREE LYST Operating the of 1000 hours.
 The Base-Gypt Tores Acts Control exciton 100 in 1.3" fails. Other gapes described assessed excitor rate of 2" John with Englaguation on in 120" fails.

Eclinse-Pioneer Division Offices Authority and Sto Fermions, Collif y Smiller, Waster, Ferbas, Girley and Wardington, S. C., Special State & Service, Special Science States (St. S. State St. State St. St. S.



STRENGTHES with non-rediction, between to

Multi-Scan Indicator Monitors Five Areas

- WHID-FILTER CENTER

.. First in a law of internsted devial

senter Indexesses for Tube Obla-

FTV Godel Auto-Surface Mintle-

AVIATION WEIK, Merch 29, 1991

Prompte Digital Computer-Kern

CAM COMPENSATOR



* New Hels-Power Tropp-Scot Trap-

continue awards appeared by

* Erwinsten Stud Upper, 53 6

. Color Flortspace, Mana Dyndon,

ing sewmenty phoned or inaccountly













Faster than any other Date Processing System now installed Philos 2000 Systems

PRINCE COMPUTER CENTER ... mont - comp to to



RCA Develops Test Module Family

By George Almander have developed to handle 54% of all . High Speed Automatic. This DEE program worth and first motivine. In

Commitmentalled DEE our

Four Confrourations RCA a present efferme Duptel

*Progressed Automatic. Operating

PROGRAMED ANTOHATIC BES must and Computer Cognified DEE Persons must strong family empeditures, alreany cours of related autoraborapoids resident About 54%





addition to the reality stream material caron of the DEE, in two man,

The broad course take one withstead







PRODUCTION OF PARK

HUGHES



· Variable plane shifter, Model G331

NEW AVIONIC





a Flexible sieval resentor. Model rapples output cultiges at near dif-AVIATION WEEK, March 20, 1565



*Ducted befor storace suit. Model



normandy has the most sought-after

FOUR LETTER WORD

in a spaceman's cable dictionary ...

TTRS twisted-shielded-pair, radio,



and its armored non-flexing companion, TTRSA

our cable used in the ground support compount of just about every major MAR de-Impervious Sheathed Skielded Cable . Silicone Hi-Temp Heat, Flame & Oil Resistant

HOF-MMOP-DSS-MHFF-TTHFWA-SHFS . Furnished with inspection Forms

122 Second Dr. Breekley 21, No. Y.

FINANCIAL New Offerings

Wast and Wheels Repress, Inc., Hadrag N. Y. capped perceptly in the barness of french forwarden by an

Correlificted Aphopus Systems, Inc.,

term to be ampled by amendment Of

THERE IS NO CEILING



* Afterned belows majors have dealered by The Germa Communities Regimeers in The Garnet Corporation's Addressorth Manufacturing Discusses

Mayor fields of inscreed are:

· Arrest Plops and Electronic Systems - Located supplier

· Mirale Systems-Largest number of accessory nonce Ges Terbier Engmer-Weitlift luggest profesor of usual ges certifies commer, with mare than 9000 delicented in the 30-550 by class. Scallers include industrial and auditor

Excellent positions are waatable for qualified gate with M.S., Ph. D. and



Les Aresto S. California - Pharmy Arman



pible side affering perc and males wrong time to be applied by acrosd meet. Of the proceeds, \$1,100,000 will be and to rather contracting from to care of the contracting from to care of the contracting from to care of the fifteeness and contraction of plant and officer halmon will be about 50 working caystic and out of the process of the contraction of plant and officer halmon will be about 50 working caystic and out of the process of the contraction of the contrac

Angelesses (Logs, Schöffers, 1977).

Angelesses (Logs, Schöffers, 1977).

For the first processes of the foregreen members and the foregreen members and the foregreen members and the foregreen foregreen for the first processes (Logs, Schoffers, 1977).

And the first processes (Logs, Schoffers, 1977).

And the first f

When should be the compared to the compared to

NYLKTION WEEK, March 26, 116

CHALLENGING CAREERS IN CONNECTICUT

ANALYTICAL ENGINEERS

THEFE ARE IMPORTANT, IMMEDIATE EPENINGS IN OUR ENGINEERING TECHNICAL SERVICES SECTION FOR ENGINEERS WHO WANT TO MOVE IN ARE MAY EXPRESSED IN

 VERCATION—Analyze recibered systems for vibrality behavior angler reministration conductors, beginning with themselved analysis of ratific system dough coverage will obtained limiting from less of postage wave disciplinable for experimental services produces correctly system refuges farmers, presenting as with the size of behaviors within-

ing random vibration.

• SINCCURAL TEST and ANALYSIS—Knowledge of the value and the furges sympth of paperails and assumes, and absorption and experimental stress restlyes inchespen.

Responsible for evaluating attents in structures and relating them to

erall just ensules in Inaction uncertainty in that infrom environment in PERFORMACE AMACES. Indexerous agranted for analyzed work between the properties of the properties of the properties analyzed and interpretation of our invalve sometimes took the retext analyzed and interpretation of our invalve sometimes with with always and disciplents of interpretation of our invalve sometimes with a standard work of the properties of the properties

response destrumination. Activation augmst land interest computer systematic in primary application of computer simulated or enteriors.

• NATALLIBERY—High-degree of countries ability to increase and direct symmetric or enteriors. A simulation connection discholarity in increase and direct seekding & countries, otherwise consistent of the contribution of the contribution of the countries. The countries of the countries of the countries of the constitution of the countries. The countries of the constitution of the countries of t

THIS IS WHAT YOU HAVE SEEN LOOKING FOR I These are position that offer summedule current sate faction and con-

Eagly working with cast of proven professional states occurs to superh findfaths. Healthing passigueness a reveating way of 16 in stanctive Connected... Intime-peal glins for odvinced seelings degree. Initiations expresses, used baselfat learness anneged as your convenience. Reply belay to Mr. R. A. Fuller at

HAMILTON STANDARD DIVISION
OVISION OF UNITED AIRCRAFT CORPORATION

BUSINESS FLYING



species. The No. 3 strains will be out to the U.S. for depondential propose. Marked these for first Relice is no receivable to 1.

French Rallye to Be Assembled in the U.S. By Hebert L Coleman

*Sensy Rober 880, moneyed by a

. Ballet 665, powered by Continuental



The accord perturye define from

for the Relby 555 Course speeds

respectation considers at 40 East

Howard to Head Army Technical Committee

PRIVATE LINES

APL OFFERS A SPACE AGE

TAISON 1 4000 INSTRUMENTATION

ENGINEER The Applied Physics Laboratory

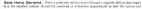
The man principal will serve as monate insuring of actifities

The Applied Physics Laboratory

The Johns Hodons University \$517 Congle Anyone, Silver Aprileg, 366 Displays of Walterstee, D-C-2

Colorest and Colores Assests will AMLAY turner Ni gill of find and has a green weight of 1,000 fin.





the concentro field."

facilities, regigment and scientific personnel ment the promitation as protectly couples of exploring many unusual regards Why soll measurable future possibilities at Lockheed? With Prosent and Development Stati, Dept M-SSA, 562 West

Lackheed MISSILES AND SPACE DIVISION

SUNNYVALE PALGACTO VAN NUTSI SANTA CITUS BANTA MARIA, CALIFORNIA! CAPE CANAVERAL, PLORIDA: HAWAII



Position Light Flasher

Southa Air Service, Ltd., Toronto.

The Lincoln Laboratory, Massachusetts

Institute of Technology, announces a major expansion in its program. We urgently request the participation of senior members of the scientific community in our programs in:

NEW BADAR TRONNINGS

LINCOLN LABORATORY



WHO'S WHERE

Honors and Elections

William R. Balemann, chal production Andrea Inchesol Nett Port Vistor Co. a

Bond A Forthing recent Totaled

Changes For H. McGegre, research contract of Ker Other Beach appearments full C projects Code Technological Codes Date Nation company for the new Vaccion Copy III R70 shot pod pagene George R Selg

......

this is an ideal assisted for one manters who likes to

RESEARCH LARORATORIES UNITED AIRCRAFT CORPORATION

URGENTLY NEEDED!

Far-Out Ideas on Far-Up Problems!

The solution of architems generated by vehicle methods. Extraine principles of the Engineering New opensional environment desired new

essignments which will expect to your for creative and conquently requirers

ground expanel comment and new grod-

M your beckeround is in STRUCTURAL DE-ANALYSIS ATRODOWNAMICS OF ERO.

Wram roday as confidence to Mr. Melvin Volume, Deve. CSS Boring Aventure



BOEING | WICHITA

ENGINEERS ... READY FOR THE

find the more to VEXTOL a security one. Consider the selectation on self-step or self-step or the VEETOL (definition of Social), At VEETOL 1 presents in placed on behaved belief and profigurated shifter. Without present to the self-step or the self-step of the self-step of the self-step or the self-step of the self-step or the self-step or the self-step of the Qualified technical personnel can may benefit from the carefully place of extension at VFRTOLY columbes Philadelphia Invaling Country to

INSTRUMENTALISM MADE for ... At extended or column requires the aliffit is decays, develop, sabkrate and leafelf flight test instrumentation

TIMEMINES. Experience in creative design work on graps, bearings, BOOK OFFICE Security of residue with minimum & years' amproprior morbanesh danger of highly leaded coefficient machanisms. Should be expailed of the formant professionary at two small via

PROFES. Vibrature and Platter Speciator recorded for subrepared descrip-APRILYNAMICS The carrier portion entails accodingage studen in pro-

\$18535. Researchie position receiver armost transposition experience. in the delermination of applied loads and the performance of stress Each of these penifole, requires an appropriate degree plus darsells related experience, and office on attractive salary. For any lower response

> Martin A. Addition -ROEING



LENKURT ELECTRIC CONTRACTOR ASSESSED TO Opportunities at Marcucardt in MAGNETOHYDRO-DYNAMICS



An airbay eleck in San Francisco asles a consenter in New m essence, is what the IBM 9000 SARRE System will do when it men to work for a major sarkee-One of the wort difficult problems fored by the IRM

several dates can be returned to the required locations

such electrosic innovations in Record Resolv, SARGE

processes a special approach to aphytam controls problems tional engagestrar outortunities at IEM will be forwarded

of the sources, whose reperience in your field a write, outboson your castifications to

When a communications system must reply to 150 questions a second, how can it find time

to line up the answers?



LIVE in Sunny San Diego! Expanded programs have created Immediate Openings for

FXPFRIENCED ENGINEERS

in the fields of TURBOMACHINERY and AEROSPACE STRUCTURES

> Mechanical Design Forigeers Stress Enpireers

SOLAR SPECIACE Soor is making many significant commit-bulees to turborreduciny design and edvarions structures technically. These is an excellent believes between committees

WONDERFUL LIWING: San Clear Svinz is great, offering the WHITE TODAY: Send resurve of your qualifications to Louis What support Send returns or your quarroctions to Louis Klein, Dept. E-713, Saint Ajornet Company, 2200 Partic Harbana, San Diago, 12, California

NEED **ENGINEERS** 3

SALES ENGINEER

with publication and definition of the control of t

Helicepter Engineers Supposed instantivity.

For rates and information water Classified Advertising Division **AVIATION WEEK** P. O. Bes. 12 Henry York 26, H. Y.



TOP INJUNEERS

 Coresitors Tennelsenses

LENKURT ELECTRIC

Chara mountainer 76.

POSITION NAMED THAT THE TAKE Head & Young Eage? A Strings grad will

helitronics...new avenues of creative engineering at Sikorsky Aircraft

Within the score of Silveday's lane-score to enhance the reprop croubfilty of the support equipment, trainers and

SIKORSKY AIRCRAFT

NEW OPENINGS at Bausch & Lomb

OPTICAL ENGINEERS

LIVE IN ROCHESTER

Bausch & Lomb Incorporated

outstanding individuals for permanent party in SYSTEMS ENGINEERING cought by Petrolin Manuscraf institute

* Simulation and operational carrier * Countermouseres vistems * Stochastic modeling of protons * Transpertation systems + Information theory · Radio telescope systems

· Lagrant design · Digital computer systems

BATTELLEY DEDICATED TO THE ADVANCEMENT OF

Harriagele your experiencing

AMAZION WIRE March SO THAT

AVIATION WEEK F O. See 12 New York 34 N Y

ADVANCES

In Solid Propelless Socketer e President Process beargnooned nation some design of small scale and Compression and dispersion of positive hand

Includes employees school-door are

ATLANTIC DESEARCH CORRECTION COST ESTIMATORS

ENGINEERS Send as your telephone number . . . it could moan a Connecticut or Florida future!

You can discuss these advanced perjects with our

Nucleur Earns Laboratory (CANEL), Meditio-

PRATT&WHITNFY

DIVISION OF UNITED AIRCRAFT CORPORATION

CLASSERS SEARCHLIGHT SECTION ADVENTIONS FOURPMENT LISED OF RESALE BUSINESS OPPORTUNITIES

toberphy sporties (works sidest) for

For him PRV to Amphines Straig is

For Indo-Mercard Super Vestigate they pro-

Showky 5.00 Marine Bullespiers on to

mt Engles Mirter Beerbry compressed also reach meating. Commed Cardinam date Posts Co., ski W. Kong Str., Charleson (1885)

CONHERCIAL & MILITARY

AMORAFY & PARTS

The advantage case is \$10.00 pp both for all unfractivity expressing or other than or unfract book for the color of sanger AN ADVERTISE DOOR IS ASSESSED TO THE OWNERS OF the sections. Contract of Market and Additional Contract of the Contract of

READING TOOL SET

HE BY PARKER PRODUCTS

TORING MADES from 10" to 4"

SC.95

Coorne Instale

sen M.F.H. A12 Autopiles

DOUGLAS DC-6

DE-SA DE-SE

On-Mark 4-26 Airelane

Ended Zerreer Wil smoke

WHERE

TO BUY

Support the street life is used.

Suppose L. Bronn.

WHOLESALE TOOL CO., INC. Airlies and Specutive

E.F. o. Dos. printers, 2 from . To figure extracts payment man if the party words for a first SCS HEARING most as one line additional in unalegatered sets

SEARCHLIGHT

Equipment

No Cost er Občinstien

advertised. (This service is How to use: Check the deal-

Laconing Sprote

testion of the engineest

U's AVIABBN WEEK F G In II H T IN H T

ADVERTISERS IN THIS ISSUE

PART AND RESIDENCE PROPERTY AND APPROPRIES. ABERTICAL MEQUATO INC.
ABERTICAN MESO PLATFOLINE DESPRESA
THE COMMUNICATION STREET, DESPRESA
APPLIED, CEPTURE LAB (FAMIL METRICA)

POSCO, DEAP CONTRIBUTE & INCOSTRAL ...

ACCUSE CARREST INC. A SHARE

FAMILY ALBERTA A LICENTERS LICENT

RALUCIATION LIBERTY FOR SHITES

TRAIFCTORY

ANALYSTS

application in the pation's desti-

sublides, includes the effects of

SPACE AND INFORMATION

Hert American Ariettes

LETTERS

Boosler Power

Two solved of 10: 32: 173 8077

Two solved of 10: 32: 173 8077

Two solved of 10: 32: 173 8077

Two solved of 10: 173 8077

Two

power networn 13st inflaming utfler? to the country to the country design of the country to the country design of the country to the country of the country of the country of the country of the second forms of the country of the second forms of the country of the second forms of the country of the of the country of the of the country of the country of the country of the tent of the country of the country of the country of the of the country of the country of the country of the tent of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country of the country of the country of the of the country of the country

los application for these power retries. The princip planes pin development of the princip planes pin development of the princip planes pin development of the princip planes are shown in their or Sport and Hodge we extend the principal shoots alphaba. Intered all the shoots alphaba between the principal planes of the fact of adaptate defined proper. For Exception the subsecting per in press retrieval development is then veight popular and principal properties of the princip planes are present in the state of the press retrieval and planes are shown of the state of the present principal properties and present principal properties and present principal properties and present principal prin

designs if the sections the assumes the same of the number of the section is the Editor. Section Section in the States, Section Section in the States was a section of the States Section of

making from squaremen use by good to be compared to the control for his agency has readered by the first first of the control first his size of the control first his first of the control first his size of the control first first the control first first first the control first first

Colidar Article

(iv. 27 y 61). This my no be come are specified for a planted pile. The march we would do not make a promoted at an improved, fallows.

I smooth apparatude many cheets and the many comparatude of the com

Fourth Man

privates of Geremont. La and to take a bailed 1 read who email from this is show shot of the small. Val abust the shot of the small. Val abust the shot of the small. Val abust the small property of the shot of the small property of the shot of the small be considered from that I as also for the shot of the Markov of the small be considered from the small property of the s

(The measure of Mr. Saus and Mr. Saperne Services of Services and Services of Services of

Collision Avoidance

in Jin 30 new (y 124) circureasonaling or fit; arthur if a Famous offices in specific at 12 11 mer (y 33) of Vincess Vizzz Jahrell III and the Common Vizzz Jahrell III and the owner of the new and he seen philosophy o no is full the EAS except pages in the Link and the court of the fit of the Common Vizzzz at 12 12 mer in the court of the fit of the Common Vizzzzz at 12 10 mer in the court of the court of the court of the Common Vizzzzz at 12 10 mer in the court of the court of the internal court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the polytoches of the court of the court of the court of the polytoches of the court of the court of the court of the the court of the court of the court of the court of the the court of the court of the court of the court of the the court of the the court of the the court of the the court of the the court of the the court of the the court of the the court of the co

total de poet sy for exportence et de la chique aleans when with automotion. The constitution of the state of

the program The strench officers to proceed by the proceeding toward of the Research & State Proceeding Applied Frechology Co.

Lucky Day

July 2017 of Chings was seed on a bit fight and specific Table set up the fight and specific the control of the

RESOLVERAMP

The Compatible Marriage of a



Highest Feedback Factor Guaranteed 1:1 T.R. (±0.05%) Off-Shelf Delivery

SIZE 8 PEEDBACK RESOLVERS 8 Feedback facility of 66 db (2000 s.)

on apecial codes)

8 0.05% functional accuracy ones all en

8 ± 5" or ± 5" manifests to heart your mosts

8 0" observable.

On Bystems Developed are neglined to place a personal data or state line à State (freis components.

RESOLVERS

00 to 1)

(c) (c) (c) (d) (d) (d) (d)



A holy computable message! As a further advantage never part plate ties as mounting librar size is components name: then part



For Further Information Telephone or Winte MADIAN 2-1906, THE LIBSTON IN 1122(V)—or our Representatives

CLIFTON PRECISION PRODUCTS CO., INC.



More force for the Air Force. Nose cones for Titan, Minuteman and Atlas...
irre-control systems for SAC bombers... fixed and airborne radar systems... power
for Air Force helicopters. These are among Avoo's contributions to America's deterrent
and retaliatory defense capabilities. Participating divisions: Avoo-Everett Research
Laboratory—investigating problems in gas dynamics and space technology. Electronics
and Ordnance Division—communications, radar, infrared, electronic control systems,
missile fuzing, classified ordnance; Lycoming—aircraft, marine and industrial power
plants, missile subsystems; Nashville—aircraft and missile aluminum and stainlesssteel structures; Research and Advanced Development Division—basic and applied
research in electronics, physical sciences and engineering.

AVEO